205

wherein the para-acetyl-phenylalanine residue thereof is linked to a poly(ethylene glycol) moiety.

- 2. The method of claim 1, wherein said disease associated with fibrosis is NASH, wherein NASH is treated.
- 3. The method of claim 1, wherein said disease associated 5 with fibrosis is cirrhosis.
- 4. The method of claim 1, wherein said disease associated with fibrosis is liver fibrosis.
- 5. The method of claim 1, wherein said poly(ethylene glycol) has a molecular weight of between about 0.1 kDa 10 and 100 kDa.
- 6. The method of claim 5, wherein said poly(ethylene glycol) has a molecular weight of between about 10 kDa and about 40 kDa.
- 7. The method of claim 6, wherein said poly(ethylene 15 glycol) has a molecular weight of about 30 kDa.
- 8. The method of claim 1, which results in one or more of decreased hepatic fat fraction and increased adiponectin levels in said patient.
- 9. The method of claim 1, wherein prior to treatment the 20 patient exhibits at least one of a fatty liver index of at least about 60, a a-hepatic fat fraction percentage of at least 10%, a body mass index greater than or equal to 25 kg/m², and/or NASH Clinical Research Network (CRN) fibrosis stage 1-3.
- 10. The method of claim 9, wherein said hepatic fat 25 fraction is determined by magnetic resonance imaging and/ or said NASH CRN fibrosis stage is determined by a liver biopsy.
- 11. The method of claim 1, wherein said modified FGF-21 polypeptide is administered by subcutaneous injection.
- 12. The method of claim 1, wherein said modified FGF-21 polypeptide is administered at a frequency of about once per day.
- 13. The method of claim 1, wherein said modified FGF-21 polypeptide is administered at a frequency of about once per 35 about 0.05 mg/kg and about 1 mg/kg of patient body weight. week.
- 14. The method of claim 1, wherein said modified FGF-21 polypeptide is administered at a frequency of about twice per week, about once per two weeks, or about once per four
- 15. The method of claim 1, wherein said modified FGF-21 polypeptide is administered in a dosage of between about 0.05 mg/kg and about 1 mg/kg of patient body weight.
- 16. The method of claim 1, wherein said modified FGF-21 polypeptide is administered in a dosage of about 20 mg per 45 week.
- 17. A method of treating NASH in a patient in need thereof, comprising administering to the patient an effective amount of a modified FGF-21 polypeptide comprising the polypeptide of SEQ ID NO:201, wherein the para-acetyl- 50 phenylalanine residue thereof is linked to a poly(ethylene glycol) moiety having a molecular weight of between about 10 kDa and about 40 kDa.

206

- 18. The method of claim 17, wherein NASH is treated.
- 19. The method of claim 17, wherein said poly(ethylene glycol) has a molecular weight of about 30 kDa.
- 20. The method of claim 17, which results in one or more of decreased hepatic fat fraction and increased adiponectin levels in said patient.
- 21. The method of claim 17, wherein prior to treatment the patient exhibits at least one of a fatty liver index of at least about 60, a a-hepatic fat fraction percentage of at least 10%, a body mass index greater than or equal to 25 kg/m², and/or NASH Clinical Research Network (CRN) fibrosis stage 1-3.
- 22. The method of claim 21, wherein said hepatic fat fraction is determined by magnetic resonance imaging and/ or said NASH CRN fibrosis stage is determined by a liver
- 23. The method of claim 17, wherein said modified FGF-21 polypeptide is administered by subcutaneous injec-
- 24. The method of claim 17, wherein said modified FGF-21 polypeptide is administered at a frequency of about once per day.
- 25. The method of claim 17, wherein said modified FGF-21 polypeptide is administered at a frequency of about once per week, about twice per week, or about once per two
- 26. The method of claim 17, wherein said modified FGF-21 polypeptide is administered at a frequency of about once per three weeks or at a frequency of about once per four
- 27. The method of claim 17, wherein said modified FGF-21 polypeptide is administered in a dosage of between
- 28. The method of claim 17, wherein said modified FGF-21 polypeptide is administered in a dosage of about 20 mg per week.
- 29. A method of treating NASH in a patient in need thereof, comprising administering to the patient an effective amount of a modified FGF-21 polypeptide comprising the polypeptide of SEQ ID NO:201, wherein the para-acetylphenylalanine residue thereof is linked to a poly(ethylene glycol) moiety having a molecular weight of about 30 kDa. wherein said modified FGF-21 polypeptide is administered by subcutaneous injection about once per week at a dose of between about 0.05 mg/kg and about 1 mg/kg of patient body weight.
- 30. The method of claim 29, wherein the modified FGF-21 polypeptide is administered by subcutaneous injection once per week at a dose of 20 mg.